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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/588,546	08/07/2006	Akihito Kamei	043888-0497	8270
	7590 05/11/201 `WILL & EMERY LL	EXAMINER		
600 13TH STREET, NW WASHINGTON, DC 20005-3096			TURK, NEIL N	
WASHINGTON, DC 20003-3090			ART UNIT	PAPER NUMBER
			1797	
			MAIL DATE	DELIVERY MODE
			05/11/2010	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)				
	10/588,546	KAMEI ET AL.				
Office Action Summary	Examiner	Art Unit				
	NEIL TURK	1797				
The MAILING DATE of this communication ap	ppears on the cover sheet w	vith the correspondence address				
Period for Reply	LV IC CET TO EVEIDE AN	AONTHACA OR THIRTY (20) RAVO				
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING D. - Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period. - Failure to reply within the set or extended period for reply will, by statut Any reply received by the Office later than three months after the mailine earned patent term adjustment. See 37 CFR 1,704(b).	DATE OF THIS COMMUNI .136(a). In no event, however, may a d will apply and will expire SIX (6) MON te, cause the application to become Al	ICATION. reply be timely filed NTHS from the mailing date of this communication. BANDONED (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 28.	<u>January 2010</u> .					
2a)⊠ This action is FINAL . 2b)□ Thi	This action is FINAL . 2b) This action is non-final.					
·	☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under	Ex parte Quayle, 1935 C.E). 11, 453 O.G. 213.				
Disposition of Claims						
4)⊠ Claim(s) <u>1,4 and 16-18</u> is/are pending in the application.						
4a) Of the above claim(s) is/are withdra	4a) Of the above claim(s) is/are withdrawn from consideration.					
5) Claim(s) is/are allowed.						
6) Claim(s) <u>1,4 and 16-18</u> is/are rejected.						
7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/	for election requirement					
are subject to restriction and	or election requirement.					
Application Papers						
9)☐ The specification is objected to by the Examin	ier.					
10)⊠ The drawing(s) filed on <u>07 August 2006</u> is/are						
Applicant may not request that any objection to the						
Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the E						
The patrol declaration is objected to by the E	.xammer. Note the attache	d Office Action of Ioffit F 10-132.				
Priority under 35 U.S.C. § 119						
12)⊠ Acknowledgment is made of a claim for foreig	n priority under 35 U.S.C. §	§ 119(a)-(d) or (f).				
a)⊠ All b)□ Some * c)□ None of:						
	 Certified copies of the priority documents have been received. Certified copies of the priority documents have been received in Application No 					
2. Certified copies of the priority documer3. Copies of the certified copies of the priority						
application from the International Burea	•	Treceived in this National Stage				
* See the attached detailed Office action for a lis		received.				
Attachment(s)						
1) Notice of References Cited (PTO-892)	4) Interview	Summary (PTO-413)				
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No((s)/Mail Date Informal Patent Application				
3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	6) Other:	• •				
a and a subsequent all all						

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DETAILED ACTION

Remarks

This Office Action fully acknowledges Applicant's remarks filed on January 28th, 2010. Claims 1, 4, and 16-18 are pending. Claims 2, 3, and 5-15 have been cancelled. Claims 16-18 have been newly added herein.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1, 4, and 16-18 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. Claim 1, as amended, recites, "...an electric charge of the surface of said particles and an electric charge of said specific binding substance have a same polarity in said liquid mixture." As the claim establishes that the electric charge of the surface of the particles and an electric charge of said specific binding substance have a same polarity in the liquid mixture, the recitations of steps (A) and (B) are indefinitely and unclearly recited. Step (A) of claim 1 provides that the plurality of particles are covered on a surface with the reagent. Step (B) of claim 1 provides that the reagent is separated from the surface of the particles. By this, if the particles and specific binding substance have been established to have like polarities so as to repel one another, it is unclear how in Step (A) such elements are adhered (attracted) to one another, and then in Step (B) separated (repelled) from one another.

What causes the particles to be covered with reagent in Step (A) and then to be separated from one another in Step (B)? It appears that a step is missing between steps (A) and (B). From Applicant's disclosure (see, for example paragraphs [0055-0061] of Applicant's pre-grant publication US 2007/0172961) it appears that a step of adjusting the pH is carried out in order to provide such a transition from covering to separating once being stirred. Clarification is required.

Response to Arguments

Applicant's arguments with respect to claims 1, 4, and 16-18 have been considered but are moot in view of the new ground(s) of rejection, as discussed above. The prior art of Kawamura discloses particles with a surface covered with reagent, but does not disclose that an electric charge of the surface of the particles and an electric charge of the specific binding substance have a same polarity such that the reagent is separated from the surface of the particles upon stirring of the sample and the reagent.

However, as discussed above, the claims, as amended, are maintained rejected under 35 USC 112, 2nd paragraph.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

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A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to NEIL TURK whose telephone number is (571)272-8914. The examiner can normally be reached on M-F, 9-630.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jill Warden can be reached on 571-272-1267. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

NT /Jill Warden/

Supervisory Patent Examiner, Art Unit 1797